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#### **ABSTRACT**

This booklet \_ mprises the high school health component of a series of curriculum guides on fire and burn prevention. It is designed to meet the age-specific needs of ninth and tenth grade students. Objectives include: (1) reviewing comprehensive fire and burn prevention techniques and emergency actions; (2) developing an awareness of fire safety needs of all age groups: and (3) focusing on smoking and flammable liquids. Texas essential elements of health instruction that may appropriately be integrated with the fire prevention curriculum are listed. The booklet's three sections provide lesson plans, teacher materials, and student materials. The five lessons are: "The Needs of All Persons"; "Special Problems"; "Taking Charge"; "Helping Others"; and "Smoking Safety." Each lesson plan includes objectives; a list of materials; and suggestions for a focus activity, presentation of content, guided and independent practice, reteaching, enrichment, and closure. A pretest/posttest is provided, along with activity sheets to be photocopied. A scope and sequence chart covering kindergarten through high school is also presented. (JDD)



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# Fire Safety for Texans

Fire and Burn Prevention

Curriculum Guide Developed by

Texas Commission on Fire Protection

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Health (High School)

A Lifetime
For Fire Safety

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Dear :ducator:

The Texas Commission on Fire Protection is pleased to provide this curriculum guide to facilitate the teaching of fire prevention. To understand why instruction in fire prevention must be matched to the developmental needs of students, please read the Introduction section beginning on Page 3. This introduction also tells how fire prevention education can be coordinated with the instructional requirements of Texas schools.

We welcome your comments and suggestions. Please telephone or write to share your successes and questions with our staff. Also, we invite you to request guides for other grade levels and additional copies of this booklet by clipping and returning the form below.

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Anrie Easterling Program Adminis

Program Administrator Fire Prevention Education

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Fire and Burn Prevention

Curriculum Guide Developed by

Texas Commission on Fire Protection

Health (High School)

A Lifetime

For Fire Safety



Published July 1993
Texas Commission on Fire Protection
Michael E. Hines, Executive Director
Ernest A. Emerson, State Fire Marshal
Anne Easterling, Program Administrator
Fire Prevention Education
P.O. Box 2286, Austin, Texas 78768-2286
(512) 873-1700

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# Fire Safety for Texans

The complete series from the Texas Commission on Fire Protection

Kindergarten
Fire Safe Together

First Grade
Fire Safety: Any Time, Any Place

Second Grade Making Me Fire Safe

Third Grade
Positively Fire Safe

Fourth Grade
Fire Safety: Stop the Heat

Fifth Grade
Charged Up For Fire Safety

Sixth Grade Fire Safety Power

Seventh Grade
Responsible For Fire Safety

Eighth Grade
Fire Safety's My Job

Health (High School)

A Lifetime For Fire Safety

**Economics (High School)** 

**Fire Safety For Consumers** 



# Scope and Sequence for Fire and

Kindergarten	1101 01007	00001/10 001400	11110 01-00	ourth Orade
CHAZEI V III I	1101 01007		liquids, positive actions to prevent fires and burns or to reduce injuries, especially related to metallic objects	inciples of extinguishing fires; leaves related to peer pressure related to fire setting; self-motivation to effect changes with family involvement; role of fire service in the community
sources *25(a)3A, 26(a)1C	*25(b)2C	explains putting cut a fire as removing or controlling one element *25(c)38, 26(c)1C defines and gives examples of controlled and uncontrolled fires *25(c)38, 26(c)1C	combustible, noncombustible, flammable and nonflammable	terprets three currents of fire to explain how to prevent and extinguish fires "25(e)88, 26(e)1G escribes characteristics of heeted gases from fires "25(e)48, 26(e)1G
identifies EXIT signs in schools and public buildings "29(a)1E identifies "hot" and "cold" symbols on faucets "26(e)1C, 29(a)1E				
demonstrates and practices rolling on ground in case of dothing fire "25(a)3C, 25(a)1C, 29(a)1D demonstrates and practices crawling on ground in smoke of fire shuabons "25(a)3C, 26(a)1D		explains using cool water to reduce burn injury *25(c)7B, 26(c)1C explains that rolling on ground keeps air from fire on clothes *25(c)7B, 26(c)1C explains that smoke and gases from fire can affect thinking *25(c)7B, 26(c)1C	explains injury reduction skills to others through song, dance, story, demonstration, etc. "26(d) ID, IE	ests and describes effects of loxic gases in smoke and fire byproducts *25(e)78, 26(e)1G, ** 1.4
classifies hot and cold objects, including cigaretties and appliances "25(a)1A.3A, 26(a)1C identifies amoking cigarettes as a hazard to cause burns and to start firse "26(a)1D	distinguishes electrical objects, a potential heat sources, as having cords *25(b)38,48	misuse, disrepair, including unattended cooking "25(c)6A, 26(c)1C identifies special holiday hazards related to family customs or traditions "26(c)1C, 29(c)68	distinguishes metallic objects as contact bum hazards "25(d)68,8A, 26(d)1E identifias positive behaviors with hazardous appliances "26(d)1E	describes types of hazards from discarded digarettes *25(e)1F
states rule to stay aware from hot objects *26(a)1C, 29(a)1A tells parents. "Keep me sate from fire" *29(a)1B	describes or illustrates need for smokers to have wetchers *25(b)78, 26(b)10 encourages parents to conduct home inspection using provided checklist *25(b)78, 26(b)1C,28	together to reduce fire and burn hazards *26(c)28	storar,a with parents using provided checkier "26(d)1E.29 identifies fire safety for holidays in each month "26(d)1E.	demonstrates reactions to hazardous situations, including removal of fire hazards "26(e)1F identifies safety features in action, home and other buildings "26(e)1F,1G
	out *26(b)1C draws map of home with two ways out it everyone *25(b)4D	or outside bedrooms) *26(c)1C describes or ižustrates alternate ways or	*25(d)7B, 26(d)1E.28 identifies low battery warning on smoke detector *26(d) 1D	explains need for exit plans and drills, especially at home "25(e)6A, 26(e)1F,2C, 29(e)1A, "1.8
demonstrates telling an adult if he/she sees matches "25(a)1C, 29(a)1A	describes or illustrates matches as tool for adults *26(b)1C	describes why matches are not toys *26(c)1C	describes how matches can be used safely "26(d)1E	demonstrates reasting peer pressure related to fire, matches and amoking *29(e)1C, **1.8
demonstrates teiling an adult about amoke or fires "25(a)3C, 26(a)1C or	warn others *26/b)1C	telephone number *26(c)1C	in an emergency situation *26(d)1D	describes local locations and uses of i alarm boxes "25(e)1F
ļ.			writes rules for baby-sitter or care giver for family, with parents' assistance an consideration of ages of family members *26(d)28, 29(d)2A, 68	d
identifies fire highters and other fire service workers as finends "29(a) 18		uts involved in fire suppression and		test the four primary services provide the fire services "25(e)3A describes fire departments role in the the community stay sale and ht all "25(e)3A, "1.7
from campfire, trash burning, etc.	different from building fires *25(0)	dentifies outdoor electrical hazards (50, (storms, tools, camplines) *25(c)48 26(c)3A, **2.9	3.	describes sate practices with firework *29(e)38, **1.6 writes at least five rules for outdoor fit astery *26(e)38
	basic sevarances of fire and burn dangers; semple actions to reduce injury; parent involvement  classifies "2000" and "bad" fires and heat acuroes "25(a)3A, 26(a)1C  identifies EXIT signs in schools and public buildings "29(a)1E identifies "hor" and "ook" symbols on faucets "26(a)1C, 29(a)1E  demonstrates and practices rolling on ground in case of dotting fire "25(a)3C, 26(a)1C, 29(a)1D demonstrates and practices crawling on ground in smoke of fire situations "25(a)3C, 26(a)1D  classifies hot and cold objects, including cigerettes and appliances "25(a)1A,3A, 26(a)1C identifies amoking digarettes as a hazard to cause burns and to start fires "26(a)1D  states rule to stay aware from hot objects "26(a)1C, 29(a)1A  states rule to stay aware from hot objects "26(a)1C, 29(a)1B  demonstrates actions in school exit drills also parents. "Keep me safe from fire" "29(a)1B  demonstrates actions in school exit drills "26(a)1C, 29(a)1D  demonstrates actions in school exit drills "26(a)1C, 29(a)1D  demonstrates telling an adult if he/she sees matches "26(a)1C, 29(a)1C  demonstrates telling an adult about smoke or tires "25(a)1C, 29(a)1C  demonstrates telling an adult about smoke or tires "25(a)1C, 26(a)1C  demonstrates telling an adult about smoke or tires "25(a)1C, 26(a)1C	basic iswerment of fire and burn dangers; emple actions to reduce injury; parent involvement injury; parent injury; pare	SHOWING part and the content or record or make the content or make the content or record or common or comm	First Care present of the set of the complete of the complete of the set of the complete of the co

### **Burn Prevention Education In Texas**

fth Grade S				79-1111	Economics
1011 1011 1011		esponsible decision-mating regarding fire and burn hazards, including peer pressure related to fire risks; preparation for and reaction to possible fire situations	echnical aspects of fire hazards and detection; fire hazards outside the home	www of fire and burn prevention techniques and emergency actions; awariness of needs of all age groups; amoking and flammable liquids	awareness of adult responsibilities to preserve family, property and economy; preparation for maintaining one's own home; U.S history of fire and burn incidents
	ists types of heat and fuel to define classes of fire "25(g)2D, "3.1 describes fourth element of fire, uninhibited chemical rections "25(g)4B, "3.1 describes three types of fire extriguishers "25(g)1H.		defines and describes flash point, flash fire, flammability of construction and clothing types "44(b)7D		
halyzes product solver/sements for fire and burn salisty information *26(f)2A		analyzes product labels for fire safety, including flammable or combustible warrangs, nonlammable labels "44(a)11C communicates hazards of smolong, using written, illustration or onal format "48(a)1D	ı	messages and writes organete fine safety messages *65(a)1A,1D,2A dentifies and describes flemmable liquid warmings on home-use products, cleaners, gasoline, etc. *65(a)1E	defines terminology relating to fire insurance and home selety (detection sprinklers, etc.) *60-40
ecorbas three classes of burns and first aid for each *23(f)1G.2D	classifies so: types of burns by causes (contact, UV, chemical, etc.) *26(g)2D describes special first aid actions for burns other than contact burns *26(g)2D			lists best actions in suspected fire or smoke situations and first aid for three types of burns "65(a)1E	
explains hazards of heating equipment, including safety considerations such as UL inspection certification and proper pleasment "25(1)7B, 26(1)1H, "2.6 analyzes safety of alternative heating 25(1)6E, 26(1)1H), "2.6	describes why electricity and electrical appliances are fire and burn hazards, relating amount of energy used by verious appliances to their risk "25(g)6D," 3.4		workplace, including industrial, retail and office *44(b)3	describes role of carelessness in fires and burn injuries, including cigarretes, heating and cooking "65(a)18,10,1G organizes and conducts comprehensive home in-spection, including outdoors and nonliving areas "65(a)18,1E,1G	describes the economic impact of fires and related casualties in the U.S. 19( 18,1G
conducts inspection of home heating equipment with parents to check for sets usage "25(f)78, 26(f)1H, "*2.6 gives examples of correcting holiday hexards "26(f)1H	develops holiday checklet that applies fire safety rules "25(g)7B, 26(g)1H,2C	writes at least 10 rules for amokars  "44(a)11B,C describes safe practices with fire hazards commonly found in home or outdoors "44(a)11C develops and implements home survey instrument "44(a)11C		organizes and conducts comprehensive home clean-up, including outdoors and nonliving areas "65(a)18.1E,1G	residents *69-1G,4A identifies hazard reduction efforts of verious organizations, agencies *60 2A, 49
evaluates achool exit drill "25(1)2D,6A, 26(1)1H (relate to vol fd)	analyzes prepared maps of other tocstons to show appropriate detector placement "26(g)1H.2C draws map of home to scale to show amoire detector placement and home exit plan "25(g)79, 26(g)1H.2C	describes or demonstrates what to do in unusual circumstances *44(a)11C.45(a)41 organizes an obstructed drill at school or home *48(a)4J	describes basic function of two types of smoke detectors "48(c)3D describes basic function of sprinklers, including residential fast response sprinklers "48(c)3D surveys and maintains amoke detectors at home "48(c)3D		liets types of building code requirement for detectors, sprinklers, exits *66- 2A,4B,4D
describes hazards of intentional fires, especially relating to waste and loss of resources *29(f)28		describes alternative behaviors to peer pressure related to firesetting and amoking "44(a)11A, 48(a)1D identifies aroun as a crima "48(a)2L writes at loss tive rules for using matchas and lighters "44(a)11B.C			explains effects of business fire on community and production *69-18.
identifies hazard of false alarms, especially relating to wasting resources *29(1)28	prepares time line in response to fire eighting and reporting *25(g)4E, 29(g)7A explains why to report smoke or suspected fire promptly *25(g)8D, 26(g)1H	describes how to discourage false alarm *44(a)11C,48(a)2L	14		
		outlines and details dubes of baby-enter "44(a)11C, 48(a)41,J		describes general accident prevention and wellness needs of children, handicapped and senior clazens *65(a)1G.3E	describes fire and burn safety responsibilities of citizens in their as caregivers or providers *69-4A
describes role of volunteer first department in the community *26(f)3/	describes professionals involved in emergency response and burn care "26(g)3A			describes at least five community health services and other resources that assest in community fire safety *65(a)3D	h
describes impact of grass and tree fires on land forms "25(1)65; "2.2 lass steps in safe procedures for burnin debris and cooling on charcoal, re, grill "25(1)36	*26(g)1H, **3.4	s lists compreheneve camping safety rul *44(a)4B	safety *44(b)7D investigates community laws on Frewor *44(b)7D		d
Implies and application of reduce for the reduce fo	ire		8	BEST	COPY AVAILABLE

		Fluid Condo	Second Grade		Fourth Grade
	Colored     Colored	1 10 1 1 1000	\$75.25 (c) 3B. classify matter and forces,	\$75. 25 (d) BA. Use observations to form	\$75. 26 (a) 38. recognize
* Essential Elements	§75.25 (e) 1A. use comparators:	§75.20 (b) 2C, observe properties of objects, organisms, and events in the	organisms, actions, and events from	definitions of objects, actions,	interdependence of people and the
Current essential elements as defined	heat/cold.	environment	the environment according to	organisms, events, and processes.	environment, and recognize personal
by Chapter 75 of the Texas Education	§75.25 (a) 3A. cleasily objects by	\$75.25 (b) 38. classify objects,	emilarities and differences.	§75. 26 (d) 2B. recognize the health of	responsibility for protecting the
Code that apply: The student shall be	companing similarities and differences.		675.25 (c) 4B, describe objects.	We territy deceases upon contributions	environment
provided opportunities to:	§75.25 (a) 3C, arrange events in	the environment according to	organisms, and events from the		§75. 29 (a) 1A. accept the responsibilities
	sequential order.	emilarities and differences.	environment.	§75.25 (d) 68. state generalizations	of membership in various groups
<b>}</b>	§75.26 (a) 1C. recognize hazards in the	\$75.25 (b) 4B. describe objects.	§75.25 (c) 6A, predict the outcomes of	about similarities and differences	§75.25 (e) 4B. describe objects.
ļ	environment and soquira knowledge	organisms, and events from the	actions based on expenence or data.	among objects, organisms, and	organisms, and events from the
<b>l</b>	and skills raeded to avoid injuries and	environment.	\$75.25(c)7B. relate objects, science	events.	environment.
l	to prevent accidents. §75.26 (e) 1D. recognize negative effects		principles, and activities to daily life.	§75.25 (d) 7A. compare and contrast	§75.25 (a) 6A, predict the outcomes of
1		the arrangement of data on picture	\$75.26 (c) 1C. recognize hazards in the	objects, organisms, and events.	actions based on experience or data.
1	of tobecco. 675.29 (a) 1A. identity examples of right	graphs, bar graphs, and maps.	environment, and acquire knowledge	§75.25 (d) 7B. relate classroom objects.	§75.25 (e) 7B, relate classroom objects.
	1	§75.25 (b) 58. compare temperature of	and skills needed to avoid injury and to	science principles, and activities to	acience principles, and activities to
	and wrong behavior. §75.29 (a) 1B. discuss ways people can	objects.	prevent accidents	daily life.	daily life.
ì	\$15.29 (a) 18. Olectes ways people call help each other.	§75.25 (b) 6D. draw conclusions from	§75.26 (c) 28. recognize the health of the	§75.25(d) 3B. classify matter and forces,	\$75.25 (e) 68, state relationships among objects, organisms, and avents using
l .	§75.29 (a) 1D. practice rules of safety.	observed data.	family depends upon contributions of	organisms, action, and events from the	
	§75.29 (a) 1E. recognize safety symbols.	\$75.25 (b) 7B. relate objects and	each of its members	environment according to similarities	operational definitions. §75.26 (e) 1F, practice general
1	\$10.55 (a) IS 1800 ment of money	activities to delily life	§75.26 (c) 3A. recognize	and differences.	emergency procedures
	l .	675.25 (b) 7C, relate science to careers.	interdependence of people and the	\$75.24 (d) 1D. practice general	\$75.26 (e) 1G. recognize hazards in the
1	1	875.26 (b) 1C. recognize hazards in the	environment, and recognize personal	emergency procedures	environment, and soquire knowledge
1	1	environment, and acquire knowledge	responsibility for protecting the	\$75.26 (d) 1E. recognize hazards in the	and skills needed to avoid injury and to
<u> </u>	<b>\</b>	and skills needed to avoid injury and to	Premionivne	environment, and acquire knowledge	
	İ	prevent accidents	§75.29 (c) 1C. volunteer for leadership	and skills needed to evoid injury and to	\$75.26 (e) 2C, recognize the health of the
1		§75.26 (b) 1D. recognize negative affects	§75.29 (c) 4A. identify some government	prevent accidents	family depends upon contributions of
	Ĭ	of tobacco	services in the community	§75.29 (d) 2A, describe ways a community satisfies nueds for food,	each of its members
	ł	§75.26 (b) 2B. recognize the health of the	§75.29 (c) 68. describe family traditions	ciothing and shelter	675.26 (e) 3A. recognize scope of
İ	ł	ternily depends upon contributions of	and customs	§75.29 (d) 68. describe how individuals	services provided by committely health.
1	1	each of its members	1	and families change over time	agencies
I	ì	§75.26 (b) 3. recognize interdependence	1	SIN HISSING CHILD OF DARK (1914)	§75.29 (e) 1C. explain how groups
1	1	of people and the environment, and	1		influence individual behavior.
	1	recognize personal responsibility for	4	1	1
Ì	1	protecting the environment.	1	ļ	1
1		§75.29 (b) 4B, identify school and	ì		}
1		community rules (laws)	1		i i
1	1	§75.29 (b) 4C identity authority figures in	· }	1	1
1		community			
	}	§75.29 (b) 5A. know geographical	1	1	1
1		location of home in relation to school	l	ł	<u> </u>
	<u> </u>	and community	Footh Salaman	Physical Science	Life Sciences
** Science Content		Life Science	Earth Science 2.9 human responsibility regarding earth		1.4 structure and function of the human
content from the sciences that shall	be [	1,1 basic needs and life processes		energy sources of energy.	body.
emphasized at the grade level shall		1.6 ecology interdependence of living	resources.	3.5 phases of matter; solids, liquid and	1.6 ecology interdependence of living
include:	1	things.		GAS.	things.
l		1.7 application of life science to careers	1	3.6 structure of matter tamilies of	1.7 application of life science to cereers
Í	1	and everyday life.	1	siements: metals and nonmetals	and overyday life.
1	1		}		1.6 human responsibility regarding life
Į					science phenomena
1	l				

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PIER Grade	Shrth Grade	Seventh Grade	Eloith Grade	Health	Economica
\$75.25 (f) 2D, observe phenomena	\$75.25 (1) 2D. observe phenomena and	\$75.48 (a) 1D, recognize that individuals		\$75.65 (a) 1A. understand the care of	§75.69 1B. analyze how supply and
resulting from the life, earth, and	apply knowledge of theories, facts, and		according to similarities and	body systems and their functions	demand affect prices
physical sciences	concepts from the life, earth, and	deceions	differences	§75.65 (a) 1B. relate personal behavior to	§75.69 1E. analyza the roles of economic
§75.25 (f) &A. predict the outcomes of	physical sciences	\$75,44 (a) 11B, investigate the range of	\$75.44 (b) 7D, contrast human activities	wellness	incentives, voluntary exchange, private
actions based on expenence or data	\$75.25 (g) 48, name and describe	effects on personal health and salety	that affect the natural environment	§75.65 (a) 1D. demonstrata responsible	property rights and competition
\$75.25 (f) 6E, graw conclusions from	objects, organisms, and events from	from the use of tabacco	§75.48 (c) 3D. analyze the impact of	behavior concerning tobacco	§75.69 1G, examine the roles of labor
observed date.	the environment	\$75,44 (a) 11C, discriminate between	technological innovations on business.	§75.65 (a) 1E. exhibit skills in accident	and consumers in the American free
\$75.25 (f) 7B. relate classroom objects,	\$75.25 (a) 4E, record data and interpret	responsible and irresponsible choices	industry and agriculture (in U.S.)	prevention, injury control and	enterprise system
science principles, and activities to	the arrangement of data on graphs.	that affect personal health		emergency action	§75.69 2A. understand how the
daily life.	tables, and other visuals	§75.44 (a) 4B, describe ecological	İ	§75.65 (a) 1G. identify components of	government both protects and
875.26 (f) 1G. identify weys to care for	\$75.25 (g) bD. form and state	memoryne of in advisorient		comprehensive accident prevention	regulates the operations of the market
the principal body systems	generalizations about armitarities and	\$75,44(a) 11A. determine alternate		prograins	system
\$75.26 (f) 1H. recognize hazards in the	differences among observed objects.	courses of action when one is being		§75.65 (a) 2A. analyze messages of	§75.69 4A. describe the rights and
environment, and acquire knowledge	organisms, events, and phenomena	pressured concerning use of	i	advertising for health resources and	responsibilities of consumers
	§75.25 (g) 7B. relate classroom objects,	tobacco	·	activities.	§75.69 4B. identify agencies that
prevent accidents	science principles and activises to	§75.48 (a) 2L. support the rules and laws		§75.65 (a) 3D, describe the wide range of	provide consumer protection §75,69 4D, clefine basic consumer
§75.26 (f) 2A. recognize benefits and	daily life	of one's school, community, state and	ļ	resources designed to protect and	terminology in the areas of cradit,
	\$75.26 (g) 1F, identity factors, including	netion	i	promote well-being of people	meurance, budgeing and home
selection of health products	peer pressure, that contribute to	§75.48 (a) 41. develop criteria for making	Į.	\$75.65 (a) 3E, investigate current health	ownersing or leasing
675.26 (f) 2D, recognize need for first aid	tobacco abuse and methods of	judgments	i	INSTITUTE .	Omissish or word
675.26 (f) 3A. identify locally evailable	prevention	§75.48 (a) 4J. use problem-solving skills			
voluntary health agencies	\$75.26 (g) 1H. recognize hazards in the		į.	1	
\$75.26 (f) 3B. recognize interdependence	environment, and acquire knowledge	1			i l
of people and the environment, and	and skills needed to avoid injury and to			1	
recognize personal responsibility for	prevent accidents	1			
protecting the environment	§75.26 (g) 2C, recognize the health of the	) <b>[</b>	İ	<b>\</b>	
§75.29 (f) 28. explain why conservation	family depends upon contributions of	1	<b>,</b>	İ	
of economic resources is important	each of its members	1	1		
	§75.26 (g) 2D. Identify basic emergency				1
ì	treatment	1	ì		İ
	§75.26 (g) 3A, relate the system of health	)		1	
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Introduction



### Introduction

### Why teach fire and burn prevention?

Each year during the past decade, about 300 Texans have died in fires. The Texas Commission on Fire Protection is committed to reducing this alarming statistic. Analysis of fire statistics shows that the vast majority of fires — and the resulting fire deaths — could have been prevented. Regretfully, most people do not know or practice even simple actions that can prevent fires and burns.

The Texas Commission on Fire Protection believes the key to reducing fires and fire deaths is education. Fire safety education has traditionally been concentrated in elementary school observances of Fire Prevention Week. While these observances can produce effective results, thoughtful analysis of the fire problem and fire safety educational programs shows that more comprehensive, age-appropriate approach to fire safety education can multiply its benefits.

Recognizing the limits of classroom instruction time, the Texas Commission on Fire Protection has examined the Texas essential elements of instruction to determine the most appropriate topics with which to integrate fire prevention and fire safety. Teachers from across the state have provided feedback on topics appropriate for each grade level, kindergarten through high school.

The result of this extensive research is "Fire Safety for Texans," a series of curriculum guides teaching fire and burn prevention. Each grade-level program has been coordinated with essential elements in that grade and with the unique specific fire safety needs of that age group. The lesson plans have been field tested in classrooms across the state. On average, students who have been taught using these materials score 26 percent higher than students in control groups.

As you use this guide, you and teachers in other grade levels will be part of a continuum of fire safety education spanning all grades. The Texas Commission on Fire Protection believes this continuum will help created a generation of Texans who will be fire-safety aware. In turn, all Texans can benefit from a decrease in the number of needless fire deaths and an increase in safer homes and worksites — a benefit we all deserve.

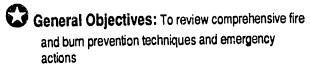
### **This Booklet**

This booklet, "A Lifetime for Fire Safety," is specifically designed for high school health students. The following sections give specific information on the

essential elements applicable to fire and burn prevention and on the age-specific needs of ninth-and tenth-grade students related to fires and burns. You will also find additional information on the format and materials found in this booklet.

#### This booklet has three sections:

- Lesson Plans. This section includes all steps in the lesson cycle.
- Teacher Materials. This section includes all teaching aids and tests.
- Student Materials Duplicating Masters. This section includes master copies of materials to be used by students.



To develop an awareness of fire safety needs of all age groups

To focus on smoking and flammable liquids

Essential Elements: The student will be provided opportunities to:

Sec. 75.65 (a) 1A. understand the care of body systems and their functions

Sec. 75.65 (a) 1B. relate personal behavior to wellness

Sec. 75.65 (a) 1D. demonstrate responsible behavior concerning ... tobacco

Sec. 75.65 (a) 1E. exhibit skills in accident prevention, injury control and emergency action

Sec. 75.65 (a) 1G. identify components of comprehensive accident prevention programs

Sec. 75.65 (a) 2A. analyze messages of advertising for health resources and activities

Sec. 75.65 (a) 3D. describe the wide range of resources designed to protect and promote well-being of people

Sec. 75.65 (a) 3E. investigate current health issues

### Background: Age Profile

Stage of 'dentity vs. role confusion, which means the high school student needs experiences that will halo establish his own identity. Lack of successful experiences may lead to confusion about his future role as an adult.

The teenager experiences variability in emotions, physical abilities and scholastic interests. She is becoming more concerned about sex roles and occupational



choice, and will begin thinking about careers and future.

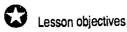
- While the high schooler desires to be independent, acceptance by peers is very important. He may be easily influenced by peer pressure and have a tendency to hero worship. The teenager may take risks and exhibit a tendency to test authority. She "tries on" different attitudes and actions.
- As he becomes more proficient in formal operational thought, he is able to engage in mental manipulations.

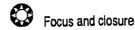
  Thinking can be flexible, abstract and local. The high school student can apply his new thinking skills to many situations. Successful learning can take place through experience, hypothetical projections, role models, demonstrations, rehearsal and teaching others.
- The teenager operates under a morality of cooperation. She views rules as mutual agreements and allows for intentions and extenuating circumstances.

#### Fire And Burn Hazards

- Cigarette smoking, especially combined with drugs and alcohol.
- Cooking contact with stoves or other appliances; hot liquids or grease while serving or cooking food, including job-related.
- Flammable substances gasoline, including use in car, storage in garage, use to start fire; explosive chemicals.
- Burn from mechanical equipment burns from exhaust, radiator, battery or welding on cars or motorcycles; gasoline; mini-bikes and lawn mowers.
- Clothing ignition from careless smoking or cooking. Smoke and gas inhalation from fire.
- Outdoor hazards utility poles and high-tension wires; sunburn; fireworks.
- Teacher's Note On Materials: Illustrations and activity sheets in this booklet are intended to serve as masters. Photocopy, then use the photocopy as directed. Student pages may be compiled in booklets or distributed individually. The first page in the Student Materials section can serve as the title page for the student booklet.
- Pre-Test and Post-Test: Conduct the pre-test prior to presenting the first lesson and the post-test following the fifth lesson.
- Teacher's Note On Closure Activities: Several activities included in the closure phase of the lesson cycle may be effectively used in the next lesson's focus activity.

**KEY TO ICONS:** The following icons can be used to easily identify activities in the lesson plans:

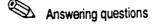




Creative group activity, including role playing



Group problem-solving activity



Guest presenter

Investigation or research

Creative writing activity

Cut-and-paste activity

Group discussion

Drawing, artwork or illustration



**Lesson Plans** 



#### LESSON ONE:

### The Needs Of All Persons

Goal: To review significant issues in fire safety, especially relating to personal responsibilities

### Objectives: The student will:

- describe role of carelessness in fires and burn injuries, including cigarettes, heating and cooking
- describe general accident prevention and wellness needs of children, handicapped and senior citizens

Materials: Pretests (p. 15-16); student booklet title page (p. 31; optional; see Teacher's Note on Materials, page 2); "Fire In Texas" overhead transparencies (p. 17-18) and student activity sheet (p. 34-35); "Analysis Of Fires In Texas" activity sheet (p. 36); notebook/writing paper; answer keys (p. 27-29).

### Focus: Administer pre-test.

Introduce unit on fire safety. List objectives of unit:

- To review comprehensive fire and burn prevention techniques and emergency actions
- To develop an awareness of needs of all age groups
- To focus on smoking and flammable liquids

Outline lesson objectives (paragraph above). Ask students about their general opinions of the need for fire safety awareness. Discuss briefly.

Presentation Of Content: Display the first page of "Fires In Texas" overhead transparency. Have students examine graphs titled "Types of Fires Reported in Texas, 1991" and "Fire Deaths By Type Of Fire." Distribute student copies of "Fires In Texas 1991," then have students examine the two remaining graphs on the first page.



Discussion: Lead discussion on details of the graphs to the following conclusions:

- Although the largest number of fires occur outside, the largest number of deaths occur in building fires, most often in residential caructures (homes).
- The two age groups most likely to die in fires are children under age 9 and adults over age 65.

- Handicapped persons may be limited in their abilities to react to a fire, as are many senior citizens. Therefore, they deserve the same attention as senior citizens in the area of fire safety. (Statistics on actual fire injuries to handicapped persons are not available.)
- Males are more likely than females to die in fires.

Display the second page of "Fires In Texas" overhead and have student look at their second pages. Lead discussion on "Fire Deaths Reported In Residences" to conclusion that although large apartment buildings have the potential for a large number of fire deaths, the vast majority of fire deaths occur in one-family homes.

Have students look at the remaining graphs, which include information on fire causes. Each chart relates the causes of fires to fire damages (death, injuries and property loss). Continue with guided practice activity.



Guided Practice: Distribute "Analysis of Fires In Texas" activity sheet. Have students read the names and descriptions of the causes. Lead students in examining the graphs and answering questions. Emphasize conclusion that many fires, perhaps most, could be prevented.

- Independent Practice: Opinion development and writing activity: Have students prepare position papers or editorials advocating awareness of fire prevention. The papers must be based on one of these topics:
  - The role of carelessness in causing fires and burns
  - Reducing carelessness with cigarettes, heating equipment and cooking appliances
  - Fire safety needs of children, handicapped persons and/or senior citizens

The paper must include at least two specific supporting examples (statistics, anecdotes, etc.) presented during the lesson; additional research is not required. Evaluate papers on validity of the examples and their relationship to the position taken. Papers that do not support fire safety awareness are not acceptable.

Reteaching: Have students prepare logs or diaries of daily activities relating to personal habits in smoking, cooking or operating heating equipment. Review logs or diaries, and note activities that could cause fires or burns.



Enrichment: Have students prepare plans for assisting child(ren), handicapped or senior citizen in the their families or neighborhoods.

Submit position papers or editorials for publication in school or city newspaper.

Closure: Have three students describe the basic premise of their papers, each reflecting a different topic. Ask student which age groups merit the most attention in fire safety (young children and seniors).

Introduce the next lesson by telling student that many types of resources and fire-safety aids are available and that the next lesson will begin an exploration of some of those resources.

#### **LESSON TWO:**

## **Special Problems**

Goat: To focus on special fire safety problems, especially those relating to young adults



- identify and describe flammable liquid warnings on home-use products, cleaners, gasoline, etc.
- describe fire safety precautions related to gasoline, autos, outdoor tools and discarded cigarettes

Materials: "Product Labels" (p. 19) and "Warning Labels" (p. 20) overhead transparencies; "Product Warning Labels" student information sheet (p. 37); "Problem Cards And Suggested Solution Cards" (p. 21); "Product Warning Labels" research activity sheet (p. 38); answer keys (p. 27-29).

Focus: Review basic information from Lesson One, focusing on the value of fire prevention efforts.

Display Product Label overhead transparency. Have students list some ways that companies try to persuade consumers to buy and use the products. Ask whether any of the products are dangerous. Outline lesson objectives (see paragraph above).

Presentation Of Content: Add Warning Label
transparency to match to product labels. Tell students
that electrical appliances also have warning labels
regarding fire and electrical shock prevention. Discuss
the value of warning labels and the importance of

following the warnings exactly. Ask why a flammable liquid must be stored with the lid tightly closed (to prevent the flammable vapors from escaping and possibly being exposed to a flame or spark and igniting).



Group discussions: Divide students into five groups, and assign one product and warning label to each group. Have the groups discuss their personal awareness of the product warnings and their personal reactions to the warnings.



Guided Practice: Group problem-solving activity:

Assign each group one problem card. Have each group select a reporter to record their activities. Have the students answer the questions and prepare possible solutions. When each group has reached a conclusion, distribute the Suggested Solution card and have students compare their solution to the suggested solutions.

Group reports and whole-class activity: Have the group reporters present their conclusions to the entire class. Allow students to discuss disagreements with the suggested solutions.

Independent Practice: Investigation: Distribute
Product Warning research activity sheets. Have the students research products in their homes.

Optional: Har a students meet in their groups and compile group aports.



Reteaching: Have students explain why relocation of flammable products (gasoline, paint thinners, cleaning fluids, etc.) might be necessary. Include a discussion of what might happen if flammable products are not handled properly.

Enrichment: Have students prepare graphs of the number and types of products with flammability warning labels stored at home. Additional suggestion: prepare pictorial graph showing locations of flammable products in home.

Closure: If appropriate, post group reports. Have students review and restate the major types of warnings. Re-emphasize that flammable liquids should be stored in tightly-closed containers.



Introduce next lesson by telling students that they will be conducting special activities that can make their homes safer today and in the future.

#### LESSON THREE:

# **Taking Charge**

Goal: To apply fire safety knowledge by conducting a home fire hazard inspection and clean-up



### Objectives: The student will:

- organize and conduct comprehensive home inspection, including outdoors and non-living areas
- organize and conduct comprehensive home hazard removal or clean-up, including outdoors and nonliving areas

Materials: "Home Inspection Worksheet" activity sheets (p. 39); "Home Inspection Checklist" activity sheets; (p. 40-41); answer keys (p. 27-29).



Focus: Ask students if they have ever thought of themselves as leaders in their homes. Discuss what responsibilities a leader has and how they might be leaders in fire safety. Tell them that two activities in this lesson will give them an opportunity to serve as leaders for their families. Outline lesson objectives (paragraph above).



### Presentation Of Content: Discussion: Review

information from previous lessons on the various types of fire hazards found in the home. Discuss how the knowledge of fire hazards can be applied to making the home more safe (Accept all reasonable answers, such as changing habits in cooking or smoking, properly discarding old flammable liquids, etc.). Lead discussion on the value of a comprehensive inspection to check for fire hazards and the role of fire safety inspectors.



### Guided Practice: Group solution-synthesis activity:

Divide the students into six groups (you may wish to vary groups from previous lesson to encourage student interaction). Assign each group one of the following areas of the home: bedrooms, living areas (den, living room, family room), bathrooms, kitchens, garage and workroom, outdoors. Distribute Home Inspection worksheets to the respective groups.



Have students complete the worksheets, then combine their results to develop an overall inspection plan. Compare to the Home Inspection checklist published by the Texas Commission on Fire Protection. Note any items that the students included that are not on the Texas Commission on Fire Protection checklist.

Discuss how the students can get their parents/guardians and other family members interested in conducting fire hazard inspections in their homes. Have the students list ways that they can ask their parents to help them conduct inspections and remove hazards.

Independent Practice: Investigation with family participation: Distribute Home Inspection Checklists.

(To incluase student participation, you may wish to reproduce the student-prepared list, adding items from the Texas Commission on Fire Protection list that were omitted on the student list.) Ask the students to work with their parents or other adults in the home to look for fire hazards and clean-up or remove any problems. Remind the students that many items included on the checklist are very dangerous and that their parents must be involved in this activity.

Talk privately with any student who seriously indicates that an adult may not be available. Encourage the student to look for fire hazards, but to avoid touching or moving any dangerous item.

Evaluate the students on their willingness and interest in this activity. Grading based on the inspection itself (such as, number of problems found or corrected) is discouraged.

Reteaching: Have a school safety professional talk to the students about how the school cooperated with the local fire marshal for building safety inspections. The talk should focus on the value of working together for the safety of the students. The safety professional may include information on things that students do that create hazards. Discussion of past "building code violations" should be avoided.

Enrichment: Have students research the purpose of building codes and fire codes. Additional suggestion: research local building and fire codes (sources: local fire marshal, building inspector, city administrator.)



Closure: Have students share some results of their home hazard survey. Include information on the kinds of hazards that were corrected. Have students — without looking at their surveys — list some of the items on the checklist. Encourage them to keep their checklists for future use. Ask students who had parent and/or family participation how they felt about having a leadership role in their family.

Introduce next lesson by telling students that their study of fire safety will continue a close look at what to do if a fire or burn does occur.

#### LESSON FOUR:

# **Helping Others**

Goal: To explore how individuals and organizations can contribute to fire and burn safety

- Objectives: The student will:
  - describe best actions in suspected fire or smoke situations and first aid for three types of burns
  - list at least five community health services and other resources that assist in community fire safety
- Materials: "Fire and Burn Scenarios" role-playing activity cards (p. 22); "Not Just Acting" observation activity sheets (p. 42); "Helping Others" activity sheets (p. 43); answer keys (p. 27-29).
- Focus: Describe an exciting emergency scene from a movie or television show, perhaps from re-creations on the national "Rescue 9-1-1" or local "Crime Stoppers" programs. Ask how students feel when they see those re-creations. Remind them that those scenes frequently involve actors, but that if they are ever in an emergency situation they won't be able to rely on actors they'll have to act for themselves.
- Introduce lesson by telling students that they will be actors for several role-playing activities that will give them an opportunity to act out proper responses to emergencies. Outline lesson objective (paragraph above).
- Presentation Of Content: Role-playing activity
  and observation: Distribute role-playing activity cards
  "Fire and Burn Scenarios" to selected students and
  "Not Just Acting" observation activity sheets to all

students. Based on roles assigned and described, have students demonstrate reactions to various emergency situations. Note: In all scenarios, person A acts or speaks first, followed by person B. Have students observe the activities and write down their observations on their "Not Just Acting" observation activity sheets.

**Guided Practice:** Continue role-playing activity: To facilitate transfer and application of information, have additional students present un-cued responses.

A

Follow-up discussion: Following demonstration on service organizations, discuss other types of agencies or organizations in the community that could provide support for fire prevention, fire survival, etc.

- Independent Practice: Complex problem-solving activity: Distribute "Helping Others" activity sheets. Have students complete the flow charts to show appropriate actions and/or interactions with community health services in emergency scenarios.
- Reteaching: Invite a fire department representative to discuss how the fire department interacts with other agencies, such as the Department of Health, burn centers and Salvation Army.
- Enrichment: Have students research consumersafety organizations such as Underwriters Laboratory and the Consumer Product Safety Commission.
- Closure: Review selected questions from "Helping Others" activity sheets. Ask students how they felt about the various scenarios at the beginning of the lesson. Have them compare to how they would feel about actually using those actions in an emergency situation now. Review the three degrees of burns and appropriate first response for each.
- Introduce Lesson Five by telling students that they will organize their own community service group to conduct the final lesson of the unit on fire safety.



#### **LESSON FIVE:**

## **Smoking Safety**

Goal: To focus on eliminating or reducing the hazards of cigarette smoking



OBJECTIVES: The student will:

- identify and describe cigarette health messages
- · write cigarette fire safety messages

Materials: "Careless Smoking Fires" overhead transparency (p. 23) and background information sheets (p. 44); "Public Service Announcements" overhead transparency (p. 24) and background information sheets (p. 45); materials for creative work (writing paper, drawing paper and supplies, tape recorders, etc.); answer keys (p. 27-29).

Focus: Review information from Lesson Two on product warning labels, including the value of product safety messages. Briefly review what kinds of messages companies use to persuade consumers to purchase and use products. Tell them that in this lesson they will create their own persuasive messages. Outline objectives (paragraph above).



Presentation Of Content: Distribute "Careless

Smoking Fires" background information sheets. Display overhead transparency, if desired. Read and discuss statistics and anecdotes. Lead discussion to the conclusion that cigarette smoking creates a fire hazard. Emphasize hazard of smoking in bed.

Read and discuss cigarette health warning labels and their purpose to inform about health hazards. Discuss types of information that might be included in cigarette fire safety warning labels.

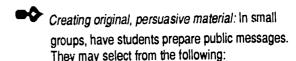


Guided Practice: Group brain-storming activity:

Introduce problem-solving activity based on students as an advocacy group. Discuss the purpose of the group. Note that this group does not have to be antismoking, although some may choose that position. Encourage some groups to focus on how people who won't stop smoking can be more safe.

Divide the students into small groups (two to six people). Have the student develop persuasive statements advocating placement of fire safety messages on cigarette packages. Hint: Give students three minutes to jot down ideas before beginning group discussion.

Independent Practice: Distribute "Public Service Announcements." Briefly discuss the purpose and application of public service messages.



- · Public service announcement that might be read on the radio.
- Public service announcement for television.
- Fire safety warning messages for cigarette packages
- Advertisement or short article for newspaper or magazine.

Encourage students to critically review their work and rewrite to optimum effectiveness. They may find it productive to ask other students' opinions of their materials during the draft process.

Reteaching: Have the students participate in role-playing activities focusing on peer pressure and hazardous behavior. Examples: throwing cigarette butts out of car windows; climbing electrical poles; smoking while pumping gasoline, working on the car or using flammable liquids, especially paints and paint thinner.

Enrichment: Have students research one of the other major causes of fires and fire deaths:

- Careless cooking
- · Heating equipment, including portable heaters, central heating systems, water heaters
- Arson

The research report might include a description of the cause and the number of fires, fire deaths and dollar value of property loss. An analysis of how the type of fire occurs might also be included.



Closure: Have student groups present and/or display their cigarette fire safety messages. Conclude with a general discussion of the content of the unit and the students' personal reflections on fire safety.

Administer post-test.



Teacher Supplemental Materials



Name			
Health (High School): A Lifetime For Fire Safety	PRE-TEST		
Circle True or False.			
1. Most fires are purely accidental and cannot be prevented.		True	False
2. Simply being more careful with fire hazards can reduce the	chance of having a fire.	True	False
3. Smokers can smoke in bed as long as they are very carefu	ıl.	True	False
4. A fire will start right away if a cigarette falls on upholstered	furniture, like a sofa.	True	False
5. Smokers need to be more careful about fire safety than no	n-smokers.	True	Fals
6. Smoking near flammable liquids is very dangerous.		True	Fals
7. Gasoline is a flammable liquid.		True	Fals
Give the best answer:			
8. Name the two age groups that suffer the largest number of	f fire deaths:		
9. How can flammable liquids be easily identified?			
10. How should flammable liquids be stored?			
11. Name a community resource (person, agency, organizating, other than a fire fighter:	ion, etc.) that can help after a	a fire or to po	revent a
12. List how to identify each type of burn and appropriate ac	tions for each:		
How to identify	Appropriat	e action	
First degree			
Second degree			
Third degree			
13. What should you usually do first in each of the following	situations?		
Clothes on fire			
See smoke coming from a house			
Hear smoke alarm while sleeping			
(continue			

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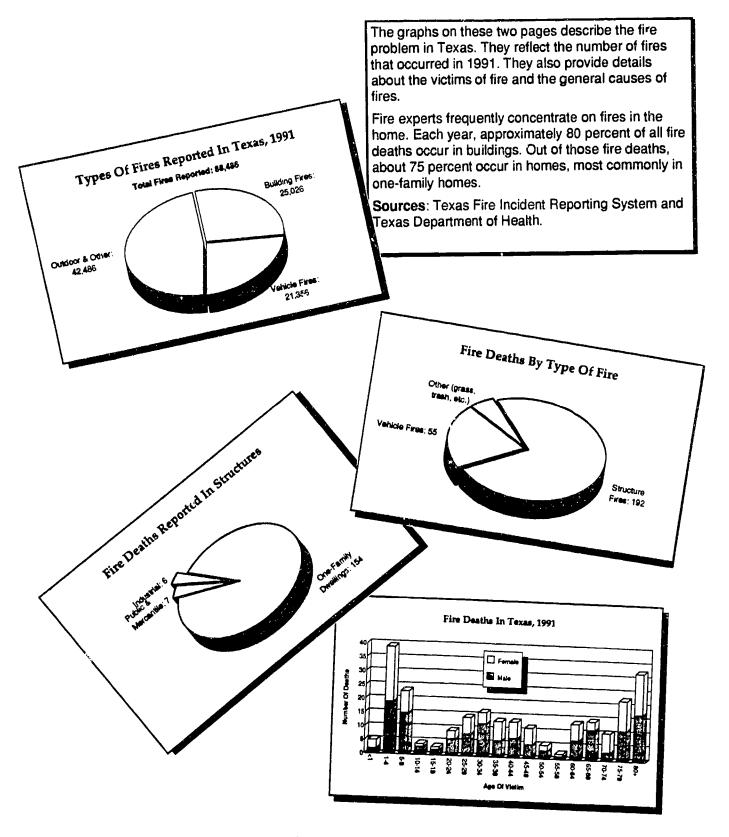
Teacher: Use with Lesson One, Page 7. Duplicate for student use.

### Complete the following lists with appropriate examples:

			<del> </del>		
ame three type	of appliances that ar	e frequently inv	volved in fires:		
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	should be included in				
	should be included in				_
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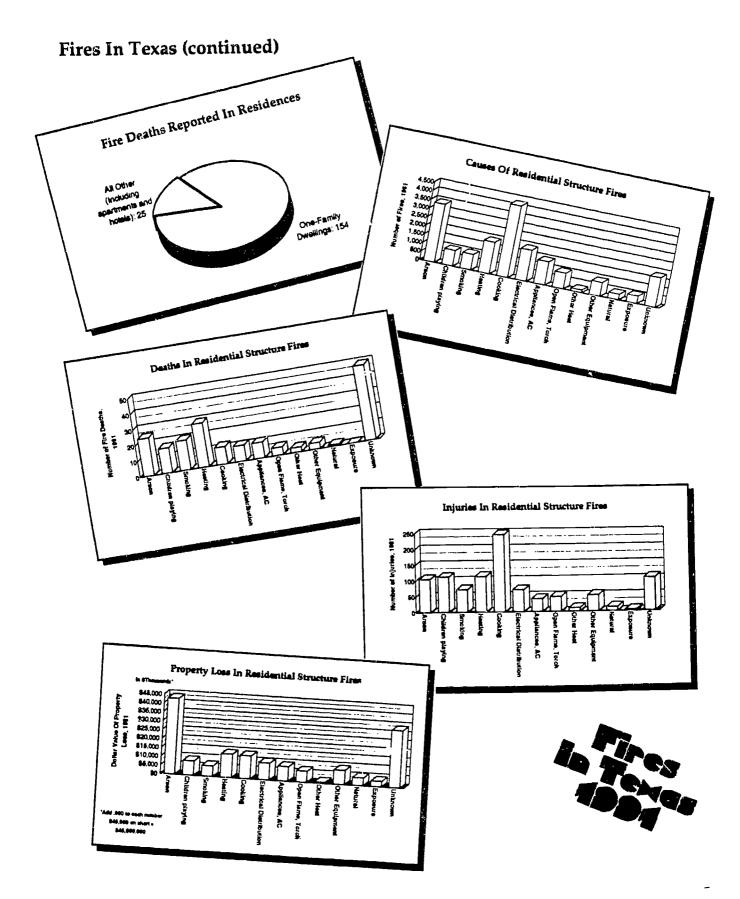


### Fires In Texas 1991



Teacher: Use with Lesson One, Page 7. Transfer to overhead transparency.





Teacher: Use with Lesson One, Page 7. Transfer to overhead transparency.



### **Product Labels**

### DISINFECTANT SPRAY

# ELIMINATES ODORS

KILLS HOUSEHOLD GERMS, MOLD AND MILDEW Polyurethane

# Liquid Plastic

Super Gloss

DANGER!
COMBUSTIBLE.
HARMFUL OR FATAL IF
SWALLOWED.
Read complete
precautions on back
panel.

HYPO-ALLERGENIC

### LIQUID HAIR SPRAY

Extra Hold
USED BY PROFESSIONALS

# SPRAY PAINT

DANGER: EXTREMELY FLAMMABLE, CAN PRESSURIZED. HARMFUL OR FATAL IF SWALLOWED, VAPOR HARMFUL. Read Caution Details on Back Panel Before Using.

# SPRAY STARCH

- **BODY WITHOUT STIFFNESS**
- SPRAYS ON EVENLY
- EASIER AND FASTER

Teacher: Use with Lesson Two, Page 8. Transfer to overhead transparency.



### Warning Labels

#### PHYSICAL HAZARDS:

Flammable: Contents under pressure. Do not use near fire, sparks or flame. Do not puncture or incinerate container, exposure to temperatures above 130° F may cause bursting. Do not use on polished wood furniture, rayon abrics or acrylic plastics.

DANGER! CONTAINS MINERAL SPIRITS. COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED. Keep away from heat and open flame. Avoid contact with skin, eyes and clothing. Avoid breathing of vapors.

To avoid spontaneous combustion, soak oily cloths and rags in water after use or place in closed metal container away from buildings and combustible materials.

Warning: Flammable.

Avoid fire, flame or smoking while handling and until hair is fully dry. Avoid spraying near eyes. Keep out of reach of children.

### **CAUTION:**

KEEP OUT OF REACH OF CHILDREN.

DO NOT INCINERATE (BURN) CAN.

AVOID HEAT. KEEP CAN BELOW 120°F.

High temperature may cause bursting. Do not place can on radiator, stove, in direct sunlight or near other heat sources.

**DO NOT PUNCTURE CAN.** Contents under pressure will discharge.

AVOID OPEN FLAMES, SPARKS, PILOT LIGHTS. DO NOT SMOKE. Vapor may ignite explosively.

CAUTION: Use only as directed. Do not take internally. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120°F. Do not use near flame. Avoid spraying on hard-surface floors as residue could make them slippery.

KEEP OUT OF REACH OF CHILDREN.

Teacher: Use with Lesson Two, Page 8. Transfer to overhead transparency.



### **Problem Cards and Suggested Solution Cards**

**Group Problem-Solving Activity** 

### Problems

• You discover that many paints, solvents and cleaning solutions are stored in a cabinet over the stove. What should you do?

What should you do about flammable products that must be used in the kitchen, such as cooking oil?

2 Your parent is building a bookcase, using a power saw outdoors. What can you do to help him/her be safe?

After painting the bookcase using enamel paint (which is flammable), your parent puts the paint brushes, paint, paint thinner and dirty rags in a closet near the water neater. What should you do?

**3** Your friend is smoking a cigarette while pumping gasoline in her car. What should you?

Another friend carries a half-full container of gasoline in his car for emergencies. What should you do?

4 You are planning a party at your home. Some of your friends smoke. What should you plan to do to prevent a fire?

During the party, you plan to cook out on a gas grill. What safety rules should you follow?

1 In your bathroom, you will probably find several warning labels. What kinds of items might they be?

What should you do with these items?

### Suiggested Solutions

• Inform your parents. Help them locate safer storage places away from heat.

Use flammable products such as cooking oil with great care. Always follow directions, and never leave cooking unattended.

@ Remind your parent to read (or re-read) the directions for the power saw before using. Never use near water or while raining. Unplug when not in use.

Tell your parent about the danger of fire. Help them locate a safe storage place for the paint and cleaner. Properly clean the brushes. Safely throw away the dirty rags.

⑤ First have her move away from the gas pumps. Then make her put out the cigarette completely and then throw in a trash can away from the gas pumps.

Remind him how flammable and dangerous gasoline is. Have him take the gasoline out of his car and store safely away from any buildings.

4 Have large ashtrays available. Watch anyone who smokes to make sure cigarettes or ashes don't fall on furniture. Don't allow smoking while drinking. Carefully check all furniture for smoldering cigarettes before leaving or going to sleep.

Re-read the directions for the grill. Never leave the grill unattended while cooking. Don't smoke near the grill. Be sure all controls are turned off completely when finished cooking.

Hair dryer, electric shaver, electric curlers (electrical shock warning); hair spray, cologne, after shave lotion, alcohol (flammable product warning). You should do exactly what the label directs. You should find safer storage places for flammable products whenever possible.

Teacher: Use with Lesson Two, Page 8. Copy, cut apart and distribute to student groups.



### Fire and Burn Scenarios

Role-Playing Activity Cards

### Scene 1; Planning for fire emergencies

Student A: Tells B that a news story about a fire has her worried: "How do we know what to do in a fire. We don't even have a fire alarm."

Student B: Tells A that having a fire escape plan will help; tells her to make plan that gives everyone two ways out of each room and sets up a meeting place away from the house. Tells her to get a fire alarm and check it each month.

# Scene 3; Cooking pan catches fire

Student A: Pretends to be cooking; pan catches

Student B: Tell A to put a lid or large cookie sheet over the top of the pan.

Student A: Puts on lid; fire goes out.

### Scene 5: Second-degree burn on arm

Student A: Pretends to be working on car; touches arm against the hot engine and has a burn.

Student B: Makes A put arm under cool running water. Notes that it is red and blistery, so it must be a second-degree burn. Bandages with sterile bandage. Suggests they go to doctor's office or emergency room.

### Scene 7: Help after a fire

Student A: Tells B that a neighbor had a fire and doesn't have a place to live. Also a child had severe burns and the everyone is very worried.

Student B: Tells A that the local Red Cross has a program to help and that the fire department can give them other references for help. Special hospitals, like the Shriners Bum Center, are designed to treat burn patients; even local hospitals have burn units and they can help find special groups to help the family.

### Scene 2: Hearing a smoke alarm while sleeping

Both: Pretend to be sleeping

Student A: Hears a smoke alarm, wakes B.

Student B: Tells A they need to crawl out under any possible smoke.

Both: Crawl out of room, go to neighbor's house, call 9-1-1 (or local emergency number) and report fire at (insert address).

### Scene 4: First-degree burn on hand

Student A: Pretends to be ironing; burns hand.

Student B: Makes A put hand under cool running water. Notes that it is red but has no blisters, so it's a first-degree burn.

### Scene 6: Third-degree burn on leg

Student A: Pretends to be starting a gas grill. Pants catch on fire.

Student B: Makes A roll on the ground to put out fire. Notes that the burn is gray and dry, so it must be a third-degree burn. Calls 9-1-1 (or local emergency number).

### Scene 8: Learning about fire safety

Student A: Tells B that he is concerned about his grandparents and several other senior citizens in their neighborhood because they seem to be unaware of fire hazards and can't get around well.

Student B: Tells A to call the fire prevention office of the fire department; they can put on a special presentation to tell them about fire safety and can even help them install smoke alarms, make an escape plan and check for fire hazards.

Teacher: Use with Lesson Four, Page 10. Copy, cut apart and distribute to student groups



### **Careless-Smoking Fires**

### **Background Information**



During 1991, 16 people died in 13 house fires caused by careless smoking. Generally, a fire listed as a "careless-smoking" fire starts when someone, sometimes even the victim himself, did not dispose of cigarettes or matches properly.

### Careless Smoking In Living Rooms

Twelve people died in nine fires that started in living rooms. Among those fires, only one home had a working smoke detector.

The victims were:

- † Males, age 6, 26, 33, 38, 60, 65 and 70.
- † Females, age 23, 38, 63 and 90.

### Careless Smoking In Bedrooms

Four people died in four different fires that started in bedrooms. Common starting locations: bedding (sheets and blankets)

The victims were:

- † Males, age 39 and 68.
- 🕇 Femaies, age 68 and 74.

Among the known causes of fatal fires in one- and two-family dwelling, careless smoking ranked third in number of deaths. Only arson and heating-related fires caused more deaths.





The U.S. Surgeon
General's Office requires
health warning labels on
cigarette packages and in
cigarette advertising. Here
are examples of those
warning labels.

SURGEON GENERAL'S WARNING: Quitting Smoking WARNING: Smoking May Result in Fetal

SURGEON GENERAL'S WARNING: Smoking By Pregnant Women May Result in Fetal Injury, Premature Birth, And Low Birth Weight.

SURGEON GENERAL'S WARNING: Smoking Causes Lung Cencer, Heart Disease, Emphysema, And May Complicate Pregnancy.

SURGEON GENERAL'S WARNING: Cigarette Smoke Contains Carbon Monoxide.

Teacher: Use with Lesson Five, Page 11 Transfer to overhead transparency.



### **Public Service Announcements**

**Background Information** 



Teacher: Use with Lesson Five, Page 11, Transfer to overhead transparency.



Name		
Health (High School): A Lifetime For Fire Safety POST-TEST		
Circle True or False.		
1. Most fires are purely accidental and cannot be prevented.	True	Fals
2. Simply being more careful with fire hazards can reduce the chance of having a fire.	True	Fals
3. Smokers can smoke in bed as long as they are very careful.	True	Fais
4. A fire will start right away if a cigarette falls on upholstered furniture, like a sofa:	True	Fals
5. Srnokers need to be more careful about fire safety than non-smokers.	True	Fals
6. Smoking near flammable liquids is very dangerous.	True	Fais
7. Gasoline is a flammable liquid.	True	Fais
Give the best answer:		
8. Name the two age groups that suffer the largest number of fire deaths:		
and		
9. How can flammable liquids be easily identified?		
10. How should flammable liquids be stored?		
11. Name a community resource (person, agency, organization, etc.) that can help after a fire, other than a fire fighter:		event a
12. List how to identify each type of burn and appropriate actions for each:		
How to identify Appropriate	action	
First degree		
Second degree		
Third degree		
13. What should you usually do first in each of the following situations?		
Clothes on fire		
See smoke coming from a house		
Hear smoke alarm while sleeping		
(continued)		

ERIC
Prull Text Provided by ERIC

Teacher: Use with Lesson Five, Page 11. Duplicate for student use.

### Complete the following lists with appropriate examples:

14. Ga	soline is very flammable and should not be stored in the home. Name three types of flammable liquids than gasoline) that are more commonly found or used in the home:
(outer	triatry asolitie) triat are more commonly loans of 2000 in the members
_	
- 15. Na	ame three types of appliances that are frequently involved in fires:
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	st 10 items that should be included in a home fire hazards inspection:
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### **ANSWER KEY-1**

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Hanth (High Behant): A Lifetiene For Pire Safety H	S-TREET POINT-TREET	
Circle True or False.		
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2. Birmly being more servicil with the heaterts can redu	as the electron of horning is live	Tage Pages
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$\boldsymbol{\epsilon}$ . Smallers need to be more constitutional time solely the	en non-emakers	True Falso
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7 Geselme as a flammable based		Thus False
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8. Home the lare age groups that suffer the largest num		
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B. How our formestic figures to confy standard? 1403	ming labels	
10 How should formable beauty be stoned? 11971	iy closed, away f	irom heat
11. Name a community resource (person, agency, erge five, other than a fire lighter: <u>Food Cr7555, Sollot. Service, OGENCY</u> 12. List how to storibly each type of burn and beginning.	riezenn, etc.) that can help alle tson Archiy, Cuty, OC. 2 to essere for each	strate. Social
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fire, other han a live lighter: Road CTDSS, Scalator, Sc	tion Acony, Pity, or 5 to assure for each Appropri COOL Wilth TUNOIN	g water see doctor
Sec. other han a live lighter: Scal CTOSS, Scalars 12. List have to identify each type of burn and lapraphia How to identify First degree TPd and Distery	tion Army, city, or s manus to each Appropri  cool with runoun  cool with water, ail 9-1-1 (or loc	g water see doctor
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Analysis of "Fires In Texas 1991"	
Date Analysis Activity Sheet	
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### **ANSWER KEY-2**

Protes Can easily catch fire Throw out  Broken toseter Can catch bread on fire Have repaired		05 assigned by t	
Howard applyment that might be used in the room.  2 pe and characteristics of people that might along in the reem.  The need for article alongs or the administration.  What activities the seem is used for or that might be done in the room (oseling, alonging, and in the second cellular), that then, object or action is a fire hazard in the shirt column, but what should be done to correct the hazard, or at least to reduce the hazard in se peoples  Stacked-up newspaper  Can easely catch fire. Throw out.  Brown toseter  Can catch broad on fire. Have repaired.  Accept reasonable answers based on list on the peoples.  In Column 2, check for student awareness of whether the item is a possible heat source, to ignite a fire or a possible fuel source.	He be found in the ream or section	of the house. Consider these factors:	cause or create first) fiel
* yee and characteristics of people that might along in the ream  The need for stricture alorms or the admignithers.  What activities the recon is used for or that might be done in the room (ceeling, electing, and in the second setum). But what should be done to correct the hezard, or at least to reduce the hezard in the third column, list what should be done to correct the hezard, or at least to reduce the hezard in see people.  **Can seekly catch first  Throw out  **Drown toseter**  **Can catch broad on first  **Have repaired  **Accept reasonable answers based on list on Phages 40-41.  In Column 2, check for student awareness of whether the item is a possible heat source, to ignite a fire or a possible fuel source.	Electrical applicances that m	ught he used or hapt in the ream.	
The resed for smoke alarms or the aningstature.  What activities the recom is used for or that mapt be done in the room (costung, alsoping, and in the account solution last why that item, object or action is a time hazard in the three column, list what should be done to correct the hazard, or at least to reduce the hazard, in as penaltic.  Stacked-up newspaper  Can assety catch firs  Throw out  Can catch bread on firs  Have repaired  Accept reasonable answers based on list on  Phages 40-41.  In Column 2, check for student awareness of whether the item is a possible heat source, to ignite a fire or a possible fuel source.			
What activities the reom is used for or that might be done in the room (ceeling, aleeping, and in the second seturn) list why that laim, object or action is a fine hazard in the strend column, that what should be done to correct the hazard, or at least to reduce the hazard in its people.  Stacked-up newspaper  Can easely catch fire  Throw out  Brotan tosester  Can catch bread on fire  Here ropaired  Accept reasonable answers based on list on  Phages 40-41.  In Column 2, check for strudent awareness of whether the item is a possible heat source, to ignite a fire or a possible fuel source.			
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Accept maronable answers based on list on Phages 40-41.  In Column 2, check for student awareness of whether the item is a possible heat source to ignite a fire or a possible fuel source.	Broten togeter	Can catch image on fire	Have repaired
to ignite a fire or a passible fuel source.	Accept masonah Physis 40-41.	vie answers based on	List on
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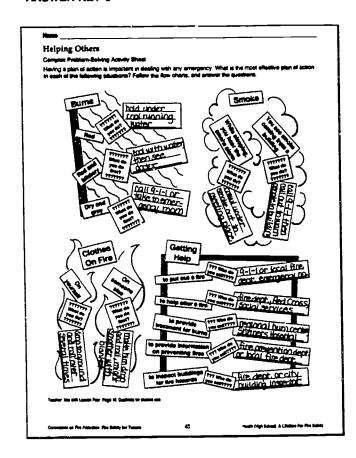
	me Inspection Checklist		
	phecidial was developed by the Taxas Commen	on en Fire	Protection.
	The first section, "Fire Hazards," is a reor what should be done to earneste or redu		cheek for specific problems. The physics tell- ants.
	The second section. "Dangerous Actions		
	to should account The	lmo e	is to have all items
Chec	ok all each fem as you check your home CNE PAP E HAZARDS: Check for the hazards in your Of		WOULDER MY MINISTER (T)
Fire	HAZARDS: Check for the hazards in your Of	· ITHE	anecked.
-	SIL CONSUMENT OF		Move any curtains or teresi racks hanging
AE R	leame .		Store Semmeble Squids (cleaners) Builds
0	Remove or replace any worn or trayed applicance or extension cords	J	contact adhesivos, etc.) or aerosols away from the range or other heat source
0	Store matches and lighters out of reach of children	<b>D</b>	(Remember, even a juilet light can set vepors on line)  Move any tempora or frequently used dems.
0	Remove pluge from overloaded outliets and extension cords	J	More any tempeng or frequently used some stored above the range — where someone could get burned reaching for them, assessably children in search of cookies or
LIVE	ng Room, Family Room, Don, Badroome		especially critisien in select lection other greature — to select lection
	Use large nahirays, and empty them		oment, Gerege, Storage Areas
_	traquently (after running under water)		
	Keep the freplace acreened and cleaned regularly	_	from the luminos, water heater, or other heat source
0	Do not put emeration cords under rugs or		Store oily, greesy rage in labeled, seeled metal conteners — Even better, clean or
_	carpets or isoped over rade or other sharp objects that could cause short to key		remove them
_		Q	Keep Senneable Squids away from
	Allow sufficient air space (at least one foot) around TV, stereo and other electronic		workbanch or pilot light
	equipment to avoid avoinsesting		Store ferromble injuries in labeled sealed material contemers (This includes viernigh
	Keep heating equipment at least three feet away from ourtains, furniture and papers		peirs, pent remover, peint thinner, contact adheeves, cleaning fluids)
		•	Cheek that all fuees are the correct same

	GEFICUS ACTIONS: Do you allow unsale habits? These guidelines may help your larney become more salety aware		Never lean agenet a range for warmth or stand too close to a heater or fireplace.  Pun water over a match after blowing it or
0	Wear case-fitting elseves while cooling (No laces seeves, shirts, bleuces or shirts that may catch five seeky.)	0	Hever let a smell child blow out a merc  Use a fashlight to flummate a dark area such as a closet — Never use a lighted
_	Always watch cooling tood Never leave scaling unaffected	<b>5.</b>	musch, ignier or centle  PETY MEASURES: Do you have these sell serie, in your home?
	Never play with moliches or lighters — Make sure children are red allowed to play with matches or lighters.	0	Working fire alarms (smoke detectors) or levels and outside steeping areas (each
	Never use gasoline to start a fire — and don't said lighter fluid to an already started fire		story er wing, becoment, etc.)  Test the desector now and each month
0	Make sure no one smokes in bed, or when tired, enviung or under medication.		Change the between each year (Change them now if you cannot remember when they were change
	Sprey serosois a sale distance from a space rester, range or other ignition source — Don't sprey seresois while smoking	•	ABC or ABCD fare entinguisher in the
	Clean emmerketely etter spilling flemmeble fluid on your hands or clothing — Never und a cigarette lighter		tutchen and/or workshop  Emergency exit plan with two ways out- each room and a meeting place outdoor
0	Never reach over the stove or climb on the stove to get complying stored above it.		Fire exis drift in the home every six month
- CHIN	an: Did you notice any other fire hiszards or habits." <u>Accept reasonable and</u>		
Ded	your parents or other family members periodise in	thus ac	oway? Yes or no 15
	your parents or other lerney members pericopate in	the ac	acceptable; howeve
		thes ac	acceptable; howeve
		1 livs ac	ncceptable; however encourage, family participation.
U ye		thes ac	acceptable; howeve

iot Just Acting		
iter each scene, write your observe	trons	
Visut happened?	The problem What Person A needed!	Hite sensit qui Arten Person B.4.1 or ex
home without smoke alarm	way to be warned about fine	suggested getting a smoke alarm
hearing a Smoke alarm	to know a safe way out and to report affire	told to crawl out under smoke, called 9-1-1
catches fine	how to put the fire out	put on 11d
• first-degree burn	treatment for red burn on hand	run cool water over burn
• Second-degree burn	treatment for red, blistery burn	run and water over burn, go to dactors office
e clothes on fine and fining-degree burn	hav to put out cothin fire and to treat burn	roll on the ground, and call 9-1-1
family needs help after fine	help for recovering from Are and support for burn viction	referral to Red Cross burn respital, etc.
e learning about fire safety	help for grand- parents	fire prevention office
. State Dom	is of burns And WE	at to Deliver
* Pirel Degree		n" — Hold burn under surming g weler
* Second Dayree		t." then see a doctor if the burn is ir bilators are damaged
Third Degree Grey, siry, no testing "Cool a burn," and cost 6-1-1 (or tocal Emergency licetical Services) Immediately		
	2nd option - tmmpt	Ge te Emergency Reem Hetely
layer to an Laure For Pape 10 Depters	40 PERSON WA	



### **ANSWER KEY-3**

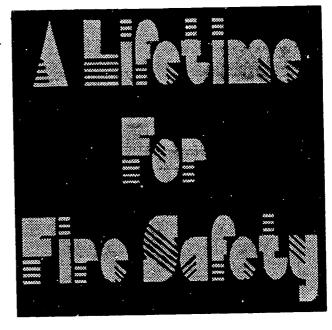




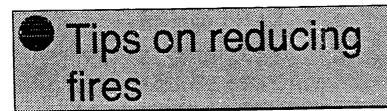
Student Materials — Duplicating Masters

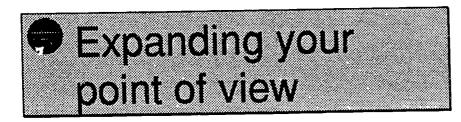


Name \_\_\_\_\_\_



# Fire safety facts

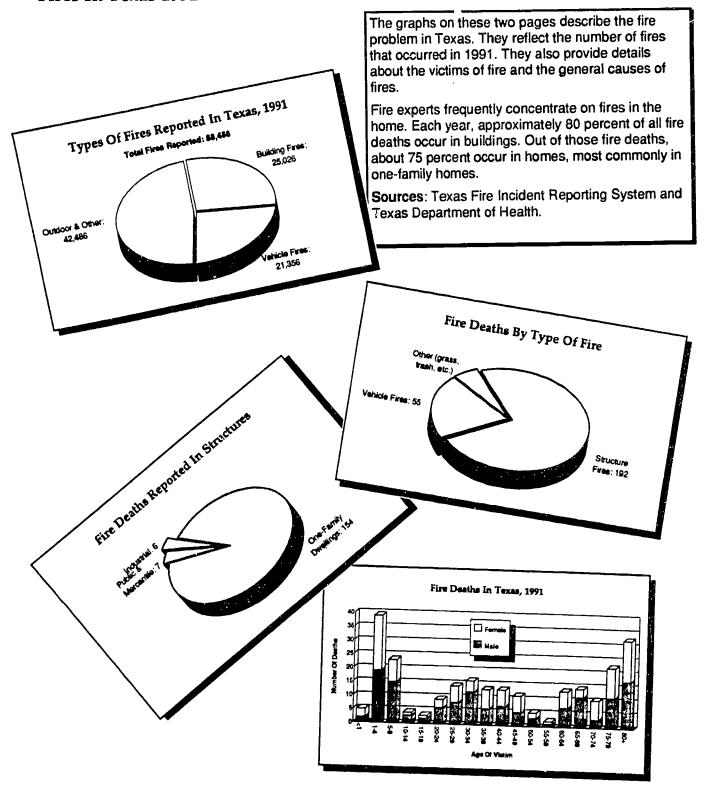




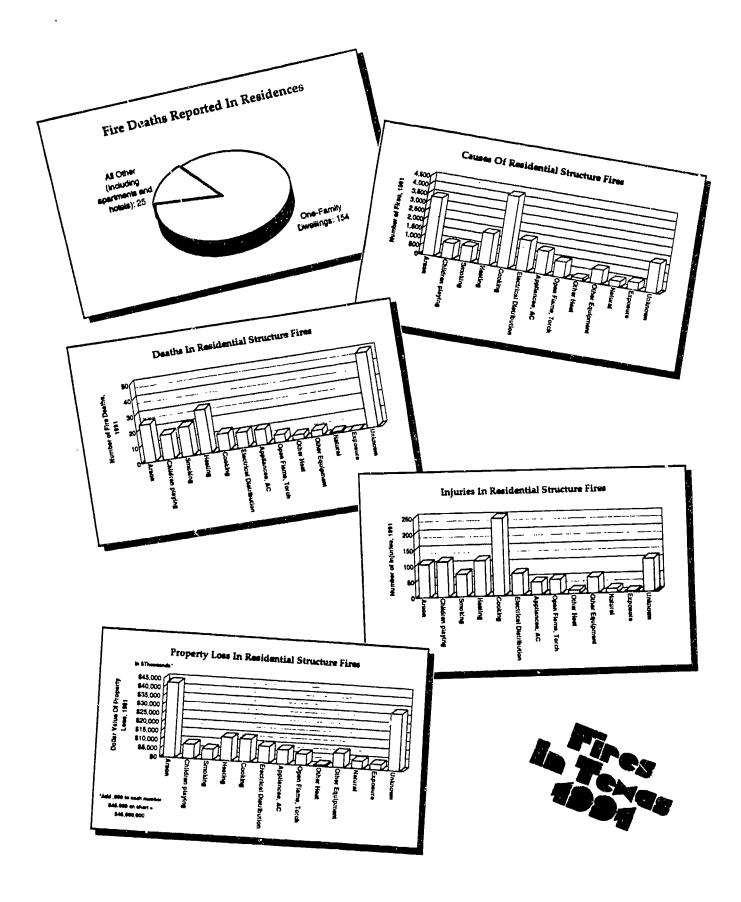
Teacher: Duplicate for use as cover to student booklet.



#### Fires In Texas 1991



Teacher: Use with Lesson One, Page 7. Duplicate for student use.



Teacher: Use with Lesson One, Page 7. Duplicate for student use.

Name \_\_\_\_\_\_

## Analysis of "Fires In Texas 1991"

**Data Analysis Activity Sheet** 

### General Causes Of Fires

- Arson: Officially called "incendiary" or "suspicious."

  Evidence proves the fire was intentionally set, or circumstances indicate the fire may have been set on purpose.
- Children playing: The fire was caused by a child or children playing with matches, lighter or other type of heat source (such as, flame in a heater or hot heating element on a stove).
- Smoking: The fire was the result of careless smoking. Examples: letting hot ashes of cigarette butts fall on furniture, not completely putting out a cigarette before putting in a trash can, and smoking in bed.
- Heating: The fire started with heating equipment, including central heating systems, local heating equipment (including portable heaters, wall heaters, fireplaces) and water heaters.
- Cooking: The fire started with food or grease, usually left unattended in a pan or hot cooking appliance.
- Electrical distribution: The fire started in electrical wiring, circuit boxes, switches or similar equipment within the structure itself. Does not include extension cords.

- Appliances, AC: The fire started in an appliance, including central and room air conditioners. Includes kitchen equipment (unless food caught fire first), hair dryers and other personal appliances, and power tools.
- Open Flame, Torch: The fire was caused by an open flame not associated with any other specified equipment. Most common: matches, lighters, welding and cutting torches.
- Other heat: A source of heat not associated with any other specified equipment started the fire.
- Other equipment: The fire was caused by equipment not specified in other groups. Most commonly includes industrial or special-use equipment.
- Natural: The fire was caused by natural events, most commonly lightning.
- Exposure: The fire started as a result of a nearby fire. Most commonly occurs in adjoining buildings.
- **Unknown:** Based on available evidence, the cause of the fire cannot be determined.

Usi	ng the graphs in "Fires In Texas, 1991," answer the	tollowi	ng questions about lifes in nomes.
1. \	What caused the largest number of fires?	6.	What known fire causes placed first, second and third in the amount of dollar loss caused
	About how many fires?		by fires?
2.	What known causes placed second and third		
	in the number of fires in home?	7.	Based on this information, what three types of fires do you think Texans should be concerned
3.	What type of fire caused the largest number of death?		about?
	About how many deaths?		
4.	What known causes placed second and third in the number of deaths?	8.	everyone is more careful with fire hazards (things that can cause fires, such as
5.	What known fire causes placed first, second		cigarettes, heaters and cooking equipment)?
•	and third in the number of fire injuries?		Why?



## **Product Warning Labels**

## DISINFECTANT SPRAY

## PHYSICAL HAZARDS:

Flammable: Contents under pressure. Do not use near fire, sparks or flame. Do not puncture or incinerate container, exposure to temperatures above 130° F may cause bursting. Do not use on polished wood furniture, rayon fabrics or acrylic plastics.

# illusys look for flammable or combustible warning labels!

#### **CAUTION:**

KEEP OUT OF REACH OF CHILDREN. DO NOT INCINERATE (BURN) CAN.

AVOID HEAT. KEEP CAN BELOW 120°F.

High temperature may cause bursting. Do not place can on radiator, stove, in direct sunlight or near other heat sources.

**DO NOT PUNCTURE CAN.** Contents under pressure will discharge.

AVOID OPEN FLAMES, SPARKS, PILOT LIGHTS. DO NOT SMOKE. Vapor may ignite explosively.

HYPO-ALLERGENIC

## LIQUID HAIR SPRAY

Warning: Flammable.

Avoid fire, flame or smoking while handling and until hair is fully dry. Avoid spraying near eyes, Keep out of reach of children.

INTERIOR/EXTERIOR ENAMEL

## **SPRAY PAINT**

DANGER: EXTREMELY FLAMMABLE, CAN PRESSURIZED. HARMFUL OR FATAL IF SWALLOWED, VAPOR HARMFUL. Read Caution Details on Back Panel Before Using.

Polyurethane

## Liquid Plastic

Super Gloss

DANGER! CONTAINS MINERAL SPIRITS. COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED. Keep away from heat and open flame. Avoid contact with skin, eyes and clothing. Avoid breathing of vapors.

To avoid spontaneous combustion, soak oily cloths and rags in water after use or place in closed metal container away from buildings and combustible materials.

DANGER!
COMBUSTIBLE.
HARMFUL OR FATAL IF
SWALLOWED.
Read complete
precautions on back
panel.

## SPRAY STARCH

- BODY WITHOUT STIFFNES
- SPRAYS ON EVENLY
- EASIER AND FASTER

**CAUTION:** Use only as directed. Do not take internally. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120°F. Do not use near flame. Avoid spraying on hard-surface floors as residue could make them slippery.

KEEP OUT OF REACH OF CHILDREN.

Teacher: Use with Lasson Two, Page 8. Duplicate for student use.



Name						
Product Warning Labels Investigation Activity Sheet Look around your home. What flammable products are kept there? What suggestions do you have for storing these items safely?						
Product Brand N	ame Type of Produc	ct Where Stored	Better Location?			
Examples:						
Fancy Hairdo	Hair spray	Bathroom cabinet	None			
Zip-Ease	Paint stripper	Cabinet under kitchen sink	Metal cabinet in storeroom			
Product Brand N	lame Type of Produ	ct Where Stored	Better Location?			
Kitchen						
Bathroom						
Garage/Utility Room/ S	Store Room					
In Car/Truck						
Other						



Teacher: Use with Lesson Two, Page 8. Duplicate for student use.

Name _					
Home	Inspection Workshee	et			
Student	Planning Worksheet				
Room o	or section of the house assign	ned			
In the might be	ne first column, make a list of fire found in the room or section of	re hazards (items or actions that might of the house. Consider these factors:	cause or create fires) that		
Electrical appliances that might be used or kept in the room.					
Heating equipment that might be used in the room.					
<b>©</b>					
<b>©</b>	The need for smoke alarms	people that might sleep in the room.  or fire extinguishers.			
<b>©</b>	What activities the room is u	sed for or that might be done in the roo	om (cooking, sleeping, smoking)		
<b>2</b> in t	he second column, list why that	t item, object or action is a fire hazard.			
	he third column, list what shoul s possible.	d be done to correct the hazard, or at I	east to reduce the hazard as		
	Fire Hazard	Why a hazard?	Needed action		
Examp	les:				
St	acked-up newspaper	Can easily catch fire	Throw out		
Br	oken toaster	Can catch bread on fire	Have repaired		
	Fire Hazard	Why a hazard?	Needed action		
<del></del>					
_					
_					
_					
_					
_					
_					
-					

Teacher: Use with Lesson Three, Page 9. Duplicate for student use.



39

Name					
	ne Inspection Checklist				
	tigation With Family Participation checklist was developed by the Texas Commission	on Fire F	Protection.		
71115	The first section, "Fire Hazards," is a room-by-room check for specific problems. The phrases te what should be done to eliminate or reduce fire hazards.				
	2 The second section, "Dangerous Actions,"	" lists actions that can reduce your risk of fire.			
	The third section, "Safety Measures," lists p fire should it occur.	orecaution	n to take now to reduce the damage from a		
Chec	k off each item as you check your home.				
FIRE	HAZARDS: Check for fire hazards in your	Kitch	en		
home. Correct any problems NOW.  All Rooms			Mor/e any curtains or towel racks hanging close to the stove		
	Remove or replace any worn or frayed appliance or extension cords		Store flammable liquids (cleaning fluids, contact adhesives, etc.) or aerosols away from the range or other heat source (Remember, even a pilot light can set		
	Store matches and lighters out of reach of children  Remove plugs from overloaded outlets and extension cords		wapors on fire.)  Move any tempting or frequently used items stored above the range — where someone could get burned reaching for them,		
Living Room, Family Room, Den, Bedrooms			especially children in search of cookies or other goodies — to safer location		
	Use large ashtrays, and empty them	Basement, Garage, Storage Areas			
	frequently (after running under water)  Keep the fireplace screened and cleaned		Keep newspapers and other rubbish away from the furnace, water heater, or other heat source		
	regularly  Do not put extension cords under rugs or carpets or looped over nails or other sharp		Store oily, greasy rags in labeled, sealed metal containers — Even better, clean or remove them		
	Allow sufficient air space (at least one foot)		Keep flammable liquids away from workbench or pilot light		
	around TV, stereo and other electronic equipment to avoid overheating  Keep heating equipment at least three feet away from curtains, furniture and papers		Store flammable liquids in labeled, sealed metal containers (This includes varnish, paint, paint remover, paint thinner, contact adhesives, cleaning fluids)		
			Check that all fuses are the correct sizes		

Commission on Fire Protection: Fire Safety for Texans

DANGEROUS ACTIONS: Do you allow unsafe habits? These guidelines may help your		ш	Never lean against a range for warmth or stand too close to a heater or fireplace	
	family become more safety aware.		Run v — Ne	water over a match after blowing it out ever let a small child blow out a match
	Wear close-fitting sleeves while cooking (No loose sleeves, shirts, blouses or skirts that may catch fire easily.)  Always watch cooking food — Never leave		such	a flashlight to illuminate a dark area, as a closet — Never use a lighted h, lighter or candle
<u></u>	cooking unattended	SAF		IEASURES: Do you have these safety in your home?
	Never play with matches or lighters — Make sure children are not allowed to play with matches or lighters		Work	king fire alarms (smoke detectors) on all s and outside sleeping areas (each or wing, basement, etc.)
L	Never use gasoline to start a fire — and don't add lighter fluid to an already started fire			Test the detector now and each month.
	Make sure no one smokes in bed, or when tired, drinking or under medication			Change the batteries each year. (Change them now if you cannot
	Spray aerosols a safe distance from a space heater, range or other ignition source — Don't spray aerosols while smoking			remember when they were changed last.)
	Clean immediately after spilling flammable			or ABCD fire extinguisher in the en and/or workshop
_	fluid on your hands or clothing — Never use a cigarette lighter		Eme each	ergency exit plan, with two ways out of a room and a meeting place outdoors
	Never reach over the stove or climb on the stove to get something stored above it		Fire	exit drill in the home every six months
Отн	ER: Did you notice any other fire hazards or habits?	List the	em bel	OW.
	your parents or other family members participate in			
if ye	es, describe how you felt about their participation? _			

Teacher: Use with Lesson Three, Page 9. Duplicate for student use.



Name	
1441110	

#### **Not Just Acting**

**Observation Activity Sheets** 

After each scene, write your observations					
What happened?	The problem (What Person A needed)	The solution (What Person B did or provided)			
0					
<b>2</b>					
6					
4					
6					
6					
•					
8					

#### Three Degrees of Burns ... And What To Do First "Cool a burn" — Hold burn under running Red cool tap water First Degree "Cool a burn," then see a doctor if the burn is Red, blistery large or blisters are damaged **Second Degree** "Cool a burn," and call 9-1-1 (or local Gray, dry, no feeling **Emergency Medical Services)** Third Degree immediately 2nd option -- Go to Emergency Room immediately

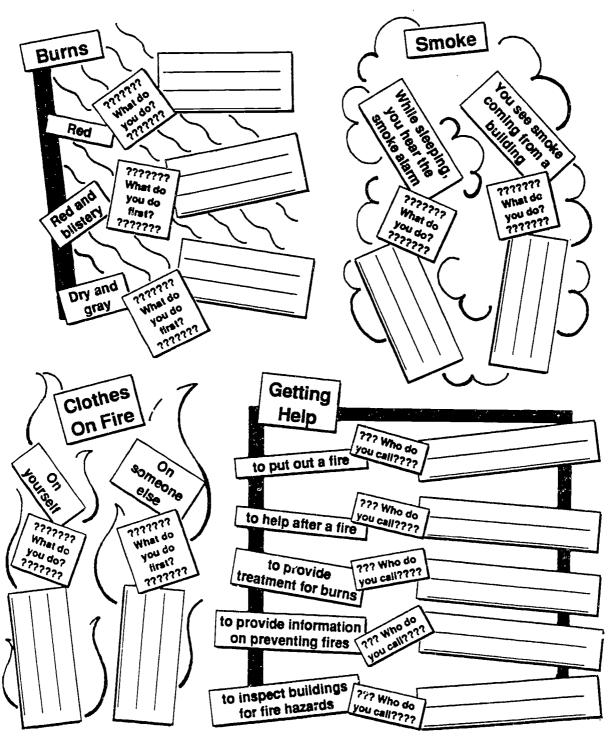
Teacher: Use with Lesson Four, Page 10. Duplicate for student use.



### **Helping Others**

Complex Problem-Solving Activity Sheet

Having a plan of action is important in dealing with any emergency. What is the most effective plan of action in each of the following situations? Follow the flow charts, and answer the questions.



Teacher: Use with Lesson Four, Page 10. Duplicate for student use.



43

## Careless-Smoking Fires

**Background Information** 



During 1991, 16 people died in 13 house fires caused by careless smoking. Generally, a fire listed as a "careless-smoking" fire starts when someone, sometimes even the victim himself, did not dispose of cigarettes or matches properly.

## Careless Smoking In Living Rooms

Twelve people died in nine fires that started in living rooms. Among those fires, only one home had a working smoke detector.

The victims were:

- Males, age 6, 26, 33, 38, 60, 65 and 70.
- Females. age 23, 38, 63 and 90.

Among the known causes of fatal fires in one- and twofamily dwelling, careless smoking ranked third in number of deaths. Only arson and heating-related fires caused more deaths





Four people died in four different fires that started in bedrooms. Common starting locations: bedding (sheets and blankets)

The victims were:

- † Males, age 39 and 68.
- Females, age 68 and 74.



The U.S. Surgeon General's Office requires health waming labels on cigarette packages and in cigarette advertising. Here are examples of those warning labels.

SURGEON GENERAL'S WARNING: Quitting Smoking Ricks to Your Health Now Greatly Reduces Serious Risks to Your Health. SURGEON GENERAL'S WARNING: Smoking By Pregnant Women May Result in Fetal Injury, Premature Birth, And Low Birth Weight.

SURGEON GENERAL'S WARNING: Smoking Causes Lung Cancer, Heart Disease, Emphysema, And May Complicate Pregnancy.

SURGEON GENERAL'S WARNING: Cigarette Smoke Contains Carbon Monoxide.

Teacher: Use with Lesson Five, Page 11. Duplicate for student use.



#### **Public Service Announcements**

**Background Information** 

Public service announcements (PSAs) are messages that promote a cause or provide information. Some PSAs appear in magazines and newspapers. Others appear on television and radio stations. You can recognize a PSA by the words "A public service of this station (or the publication)" or a similar phrase.

With proper use, portable electric space heaters provide warmth and

comfort. But space heaters need their space. They

toasters! Keep anything combustible at least three

feet from an electric space

If you have questions, ask the fire department. Pire prevention is their mission. Make it

aren't drying racks or

beater.

6



Teacher: Use with Lesson Five, Page 11. Duplicate for student use.

